



# PRODUCT DATA SHEET

Controlled Document – Engineering Drive

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**PART NUMBER:** 96294

**DESCRIPTION:** 24 AWG /4 Pair Cat 5e Direct Burial Data Cable

### Construction Parameters:

	<u>INFORMATION</u>	<u>DIAMETER*</u>
Conductors:	Solid Copper	0.020
Dielectric:	Solid Polyolyfin, Filling Compound, 80C ETPR (Extended Thermplastic Rubber)	-
Pair lays:	Each pair has different lay length for cross-talk prevention	-
Jacket:	Black Polyethylene	0.250

### Electrical Properties:

DC Resistance Max.(ohms/m @ 20° C):	9.38
DC Resistance Unbalance Max.(%):	5
Characteristic Impedance (ohms):	85-115
Velocity of Propagation* (%):	66
Pair-to-Ground Cap. Unbal. Max.(pF/100m):	330
Attenuation (Nom. db/100')	100 MHz 21.5 200 MHz 31.1
SRL Minimum (dB)	23
Loss Min. (dB):	23-10log10(F/20)

<u>Crosstalk</u>	<u>100 Mhz</u>	<u>200 MHz</u>	<u>350 MHz</u>
NEXT (Nom. db/100m):	46.0	38.5	30.0
PSNEXT (Nom. db/100m):	44.0	37.0	
ELFEXT (Nom. db/100m):	23.8		
PSELFEXT (Nom. db/100m):	32.5	27.5	

### Miscellaneous Information:

Pair Colors:	W/BL with BL, W/OR with O, W/GR with GR, W/BR with BR
Jacket Color:	Black
Storage Temperature Range	-40C to 70C
Operational Temperature Range	-40C to 70C
Installation Temperature Range	-20C to 70C
Flame rating:	None, cable should not be used behind walls. Exterior use only.
Applicable TIA/EIA:	568-B.2
Approximate Weight (lb/1000 ft):	30

*This product complies with European Directive 2002/95/EC (RoHS)*

*The information presented here is, to the best of our knowledge, true and accurate. However, since conditions of use are beyond our control, all recommendations or suggestions are presented without guarantee or responsibility on our part. We reserve the right to review and modify all constructions to conform with the latest Regulatory requirement. We disclaim all liability in connection with the use of information contained herein or otherwise. This specification is propriety intellectual property of COLEMAN CABLE. Any information contained herein shall not be disclosed to any party without written consent of COLEMAN CABLE.*

Company Name: \_\_\_\_\_

Customer Approval: \_\_\_\_\_

Date: \_\_\_\_\_

Issued: 05/06/10

\* = Nominal value  
By: HCS